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16M2/0416

PELLE, LYNN  
805 THIRD AVENUE  
NEW YORK NY 10022

**NOTICE OF ALLOWANCE  
AND ISSUE FEE DUE**

- ☐ Note attached communication from the Examiner  
☐ This notice is issued in view of applicant's communication filed \_\_\_\_\_

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
037435, 222	06/07/95	017	MAEE, D	1999 04/16
First Named Applicant	JAIN, R	KENT, L		

TITLE OF  
INVENTION

PREPARATION OF AGAROSE COATED, SOLID AGAROSE-COLLAGEN BEADS CONTAINING  
SECRETORY CELLS (AS AMENDED)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
ROBERTA-1 ND	424 020.700	406	UTILITY	NO	\$1750.00	07/16

**THE APPLICATION IDENTIFIES ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS  
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your  
current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the  
FEE DUE shown above and notify the patent and  
Trademark Office of the change in status, or  
B. If the Status is the same, pay the FEE DUE shown  
above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or  
B. File verified statement of Small Entity Status before, or with,  
pay of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE.  
Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned.  
If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number.  
Please direct all communication prior to issuance to Box ISSUE FEE unless advised to contrary.

**IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of  
maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance  
fees when due.**



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Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
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Serial Number: 08/483,728 Date: 06/07/95 Inventor: JAIN

1808 7

NAFF, D

18M2/0416

FELFE & LYNCH  
805 THIRD AVENUE  
NEW YORK NY 10022

1808

04/13/96

### NOTICE OF ALLOWABILITY

#### PART I.

1. ☒ This communication is responsive to abstract of 12/12/95
2. ☒ All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
3. ☒ The allowed claims are 51-67
4. ☐ The drawings filed on \_\_\_\_\_ are acceptable.
5. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [ ] been received [ ] not been received. [ ] been filed in parent application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.
6. ☒ Note the attached Examiner's Amendment.
7. ☒ Note the attached Examiner Interview Summary Record, PTOL-413.
8. ☐ Note the attached Examiner's Statement of Reasons for Allowance.
9. ☒ Note the attached NOTICE OF REFERENCES CITED, PTO-892.
10. ☒ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

#### PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
2. ☒ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
  - a. ☒ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. 3. CORRECTION IS REQUIRED after action of 9/5/95
  - b. ☐ The proposed drawing correction filed on \_\_\_\_\_ has been approved by the examiner. CORRECTION IS REQUIRED.
  - c. ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
  - d. ☐ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER

#### Attachments:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Examiner's Amendment                        | <input type="checkbox"/> Notice of Informal Application, PTO-152 |
| <input checked="" type="checkbox"/> Examiner Interview Summary Record, PTOL-413 | <input type="checkbox"/> Notice re Patent Drawings, PTO-948      |
| <input checked="" type="checkbox"/> Reasons for Allowance                       | <input type="checkbox"/> Listing of Bonded Draftsmen             |
| <input checked="" type="checkbox"/> Notice of References Cited, PTO-892         | <input type="checkbox"/> Other                                   |
| <input checked="" type="checkbox"/> Information Disclosure Citation, PTO-1449   |  |

DAVID T. HAF  
PRIMARY EXAMINER  
ART UNIT 1808

Serial Number: 08/483,728

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Art Unit: 1808

5 An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

In the title, cancel "MACROENCAPSULATED" and insert --  
PREPARATION OF AGAROSE COATED, SOLID AGAROSE-COLLAGEN BEADS  
CONTAINING --;

10 On page 25, cancel the abstract (lines 2-4) and insert the following abstract --

B<sub>1</sub>  
15 Biological agents such as secretory cells are encapsulated in a hydrophilic gel made of agarose or collagen-agarose and gelatin sponge-agarose combinations. In a preferred embodiment, semi-solid beads are formed from a suspension containing collagen, agarose and secretory cells such as pancreatic islets, the collagen is polymerized to form solid, agarose-collagen beads and the solid beads are coated with agarose. Coating is preferably by rolling the solid beads in about 5-10% agarose, contacting the rolled beads with mineral oil and washing oil from  
20 the beads. Beads containing secretory cells can be transplanted into a mammal to treat a condition caused by impaired secretory cell function. /--;

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Serial Number: 08/483,728

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Art Unit: 1808

Applicants' representative, Mr. Hanson, authorized the following amendments by telephone on 4/11/96:

Claim 51,

line 1, before "agarose", second occurrence, insert -- solid  
5 --;

Claim 56, line 1, after "bead" insert -- containing  
secretory cells --;

Claim 61,

line 3, cancel "patient" and insert -- mammal --.

10 Barry Smith has been added as a co-inventor as requested by the petition under 37 C.F.R. §1.48a of 9/13/95.

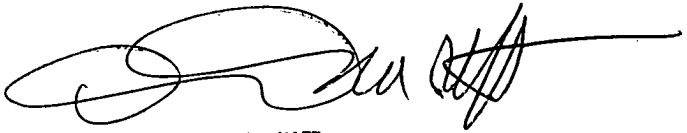
Any inquiry concerning this communication or earlier communications from the examiner should be directed to David M. Naff whose telephone number is (703) 308-0520. The examiner can  
15 normally be reached on Monday-Thursday and every other Friday from about 8:30 AM to about 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, a message can be left on voice mail.

The fax phone number is (703) 305-7401.

20 Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

DMN  
4/11/96



DAVID M. NAFF  
PRIMARY EXAMINER  
ART UNIT 1808



UNITED STATES DEPARTMENT OF COMMERCE  
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Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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08/483728 4/7/95 Jain et al

RO30210.1AD

EXAMINER
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*[Signature]*

ART UNIT	PAPER NUMBER
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1808

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DATE MAILED:

### EXAMINER INTERVIEW SUMMARY RECORD

All participants (applicant, applicant's representative, PTO personnel):

(1) Hansen (3) \_\_\_\_\_  
(2) Nast (4) \_\_\_\_\_

Date of interview 4/11/96

Type: ☒ Telephonic ☐ Personal (copy is given to ☐ applicant ☐ applicant's representative).

Exhibit shown or demonstration conducted: ☐ Yes ☒ No. If yes, brief description: \_\_\_\_\_

Agreement ☒ was reached with respect to some or all of the claims in question. ☐ was not reached.

Claims discussed: see examiner's amendment

Identification of prior art discussed: None

Description of the general nature of what was agreed to if an agreement was reached, or any other comments: see examiner's

amendment. Applicants agreed to suggested changes of a formal nature that put claims in condition for allowance.

(A fuller description, if necessary, and a copy of the amendments, if available, which the examiner agreed would render the claims allowable must be attached. Also, where no copy of the amendments which would render the claims allowable is available, a summary thereof must be attached.)

☒ 1. It is not necessary for applicant to provide a separate record of the substance of the interview.

Unless the paragraph below has been checked to indicate to the contrary, A FORMAL WRITTEN RESPONSE TO THE LAST OFFICE ACTION IS NOT WAIVED AND MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW (e.g., items 1-7 on the reverse side of this form). If a response to the last Office action has already been filed, then applicant is given one month from this interview date to provide a statement of the substance of the interview.

☐ 2. Since the examiner's interview summary above (including any attachments) reflects a complete response to each of the objections, rejections and requirements that may be present in the last Office action, and since the claims are now allowable, this completed form is considered to fulfill the response requirements of the last Office action. Applicant is not relieved from providing a separate record of the substance of the interview unless box 1 above is also checked.

*[Signature]*  
Examiner's Signature